Ali Tfayli

List of Publications by Year in descending order

27 papers	870 citations	471061 17 h-index	525886 27 g-index
27 all docs	27 docs citations	27 times ranked	836 citing authors

#	Article	IF	Citations
1	Effects of atmospheric relative humidity on Stratum Corneum structure at the molecular level: ex vivo Raman spectroscopy analysis. Analyst, The, 2013, 138, 4103.	1.7	107
2	Discriminating nevus and melanoma on paraffin-embedded skin biopsies using FTIR microspectroscopy. Biochimica Et Biophysica Acta - General Subjects, 2005, 1724, 262-269.	1.1	103
3	Follow-up of drug permeation through excised human skin with confocal Raman microspectroscopy. European Biophysics Journal, 2007, 36, 1049-1058.	1.2	86
4	Molecular characterization of reconstructed skin model by Raman microspectroscopy: Comparison with excised human skin. Biopolymers, 2007, 87, 261-274.	1.2	60
5	Thermal dependence of Raman descriptors of ceramides. Part I: effect of double bonds in hydrocarbon chains. Analytical and Bioanalytical Chemistry, 2010, 397, 1281-1296.	1.9	58
6	Raman spectroscopy: feasibility of in vivo survey of stratum corneum lipids, effect of natural aging. European Journal of Dermatology, 2012, 22, 36-41.	0.3	46
7	Digital Dewaxing of Raman Signals: Discrimination between Nevi and Melanoma Spectra Obtained from Paraffin-Embedded Skin Biopsies. Applied Spectroscopy, 2009, 63, 564-570.	1.2	43
8	Thermal dependence of Raman descriptors of ceramides. Part II: effect of chains lengths and head group structures. Analytical and Bioanalytical Chemistry, 2011, 399, 1201-1213.	1.9	37
9	The relationship between water loss, mechanical stress, and molecular structure of human stratum corneum ex vivo. Journal of Biophotonics, 2015, 8, 217-225.	1.1	34
10	Qualitative and quantitative analysis of therapeutic solutions using Raman and infrared spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 218, 97-108.	2.0	31
11	Hydration effects on the barrier function of stratum corneum lipids: Raman analysis of ceramides 2, III and 5. Analyst, The, 2013, 138, 6582.	1.7	30
12	Comparison of structure and organization of cutaneous lipids in a reconstructed skin model and human skin: spectroscopic imaging and chromatographic profiling. Experimental Dermatology, 2014, 23, 441-443.	1.4	29
13	Raman spectroscopy: a tool for biomechanical characterization of Stratum Corneum. Journal of Raman Spectroscopy, 2013, 44, 1077-1083.	1.2	27
14	Raman spectroscopy:in vivoquick response code of skin physiological status. Journal of Biomedical Optics, 2014, 19, 111603.	1.4	22
15	Rapid discrimination and quantification analysis of five antineoplastic drugs in aqueous solutions using Raman spectroscopy. European Journal of Pharmaceutical Sciences, 2018, 111, 158-166.	1.9	22
16	Molecular interactions of penetration enhancers within ceramides organization: a Raman spectroscopy approach. Analyst, The, 2012, 137, 5002.	1.7	20
17	In vivo Raman Microspectroscopy: Intra- and Intersubject Variability of Stratum Corneum Spectral Markers. Skin Pharmacology and Physiology, 2016, 29, 102-109.	1.1	18
18	Confocal Raman spectroscopic imaging for in vitro monitoring of active ingredient penetration and distribution in reconstructed human epidermis model. Journal of Biophotonics, 2018, 11, e201700221.	1.1	18

#	Article	IF	Citations
19	Phytochemical screening and antityrosinase activity of carvacrol, thymoquinone, and four essential oils of Lebanese plants. Journal of Cosmetic Dermatology, 2019, 18, 944-952.	0.8	13
20	Discriminative and Quantitative Analysis of Antineoplastic Taxane Drugs Using a Handheld Raman Spectrometer. BioMed Research International, 2018, 2018, 1-7.	0.9	12
21	Measurement of the biomechanical function and structure of ex vivo drying skin using raman spectral analysis and its modulation with emollient mixtures. Experimental Dermatology, 2018, 27, 901-908.	1.4	11
22	Origanum essential oils reduce the level of melanin in B16-F1 melanocytes. European Journal of Dermatology, 2019, 29, 596-602.	0.3	10
23	Skin lightening effect of natural extracts coming from Senegal botanical biodiversity. International Journal of Dermatology, 2020, 59, 178-183.	0.5	10
24	Raman confocal microscopy and biophysics multiparametric characterization of the skin barrier evolution with age. Journal of Biophotonics, 2021, 14, e202100107.	1.1	10
25	Comprehensive characterization of the structure and properties of human stratum corneum relating to barrier function and skin hydration: modulation by a moisturizer formulation. Experimental Dermatology, 2021, 30, 1352-1357.	1.4	8
26	Retinoblastoma membrane models and their interactions with porphyrin photosensitisers: An infrared microspectroscopy study. Chemistry and Physics of Lipids, 2018, 215, 34-45.	1.5	3
27	Skin surface lipid composition in women: increased 2,3-oxidosqualene correlates with older age. European Journal of Dermatology, 2020, 30, 103-110.	0.3	2